

## Surface Mount Devices

### High Voltage Transistors

Type	Package	Ratings			$h_{FE}$		$V_{CE(sat)}$		$f_T$	Pinout See Section VII
		$V_{CEO}$ V	$V_{CBO}$ V	$I_C$ mA	min./max. at $I_C/V_{CE}$ mA/V		max. at $I_C/I_B$ V mA/mA		typ MHz	
<b>NPN</b>										
BF620	SOT-89	—	300	20	50/-	25/20	0.6	30/5	60	AE
BF720	SOT-223	—	300	50	50/-	25/20	0.6	30/5	60	R
BF820	SOT-23	—	300	50	50/-	25/20	0.6	30/5	60	F
BSR19	SOT-23	140	160	600	60/250	10/5	0.25	50/5	100	F
PMBT5550	SOT-23	140	160	600	60/250	10/5	0.15	10/1	200	F
BSR19A	SOT-23	160	180	600	80/250	10/5	0.2	50/5	100	F
PMBT5551	SOT-23	160	180	600	80/250	10/5	0.15	10/1	200	F
PMBTA43	SOT-23	200	200	500	40/-	30/10	0.5	20/2	50	F
PZTA43	SOT-223	200	200	500	40/-	30/10	0.5	20/2	50	R
BF622	SOT-89	250	250	20	50/-	25/20	0.6	30/5	60	AE
BF722	SOT-223	250	250	50	50/-	25/20	0.6	30/5	60	R
BF822	SOT-23	250	250	50	50/-	25/20	0.6	30/5	60	F
BSP20	SOT-223	250	300	1000	40/160	30/10	0.5	20/2	50	R
BST40	SOT-89	250	300	1000	40/160	20/10	0.50	50/4	15	AE
PMBTA42	SOT-23	300	300	500	40/-	30/10	0.5	20/2	50	F
PZTA42	SOT-223	300	300	500	40/-	30/10	0.5	20/2	50	R
BSP19	SOT-223	350	400	1000	40/160	20/10	0.50	50/4	15	R
BST39	SOT-89	350	400	1000	40/160	20/10	0.50	50/4	15	AE
PXTA42	SOT-89	300	300	500	40/1	30/10	0.50	20/2	50	AE
<b>PNP</b>										
BF621	SOT-89	—	300	20	50/-	25/20	0.8	30/5	60	AE
BF721	SOT-223	—	300	50	50/-	25/20	0.8	30/5	60	R
BF821	SOT-23	—	300	50	50/-	25/20	0.8	30/5	60	F
BF823	SOT-23	50	250	50	50/-	25/20	0.8	30/5	60	F
BSR20	SOT-23	120	130	600	40/180	10/5	0.5	50/5	100	F
BSR20A	SOT-23	150	160	600	60/240	10/5	0.5	50/5	100	F
PMBT5401	SOT-23	150	160	600	60/240	10/5	0.2	10/1	200	F
BF723	SOT-223	200	200	50	50/-	25/20	0.8	30/5	60	R
BSP15	SOT-223	200	200	1000	30/150	50/10	2.5	50/5	15	R
BST15	SOT-89	200	200	1000	30/150	50/10	2.5	50/5	15	AE
PMBTA93	SOT-23	200	200	500	25/-	30/10	0.5	20/2	50	F
BF623	SOT-89	200	200	20	25/-	30/10	0.5	20/2	50	AE
PZTA93	SOT-223	200	200	500	25/-	30/10	0.5	20/2	50	R
BSP16	SOT-223	300	350	1000	30/120	50/10	2.5	50/5	15	R
BST16	SOT-89	300	350	1000	30/120	50/10	2.0	50/5	15	AE
PMBTA92	SOT-23	300	300	500	25/-	30/10	0.5	20/2	50	F
PXTA92	SOT-89	300	300	500	25/-	30/10	0.5	20/2	50	AE
PZTA92	SOT-223	300	300	500	25/-	30/10	0.5	20/2	50	R

